

No

Aug 2nd 1893

to

Aug. 9th 1893.

Hyd 3344 to 3365.

Dry 3516 to 3537

Next 2: #3516

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

SRB 60-22 = 168-06

No. 3344 Hyd Date Aug 2/93.

Tanner Machine. Reel.

Turns — Cor. + — Depth 16 fms.

Shot or lead Casnett tube

Bottom fine gy S.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 43

Surface 43

Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

3.05.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

P. Log 9.3

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

SRB 60-24 = 168-07

No. 3345 Hyd. Date Aug 2/93

Tanner Machine. Reel.

Turns Cor. + Depth 19 fms

Shot or lead Bassett tube

Bottom fine gy S & brk Sh

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 43

Surface 43

Drift

Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

3.20

1
0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. *SRB* 60-26 = 168-08

No. *3346* Hyd Date *Aug 2/93*
Tanner Machine. Reel.
 Turns Cor. + Depth *19 fms.*
 Shot or lead *Barnett tube*
 Bottom *fine gy S*
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air *43* Surface *43* Drift
 Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

M DOWN.

UP.

TURNS.

DOWN.

UP.

3.35

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12.7
P. Log

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

SRS H.C. 2 20 *60°28'N*
168°08'W
 No. *3576 D?* Date *Aug 2/93*
Javier Machine. Reel.

Turns *17* Cor. + — Depth *17 fms*

Shot or lead *25 lb*

Bottom *fine gy S*

Bottom temperature *43.2*

No. of thermometer *63902* Cor. —

Corrected temperature *43.2*

Air *43*

Surface *44*

Drift

WSW 3/4 N (mag)
0.2 mile

Trawl or dredge *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3:57.05

58.23

0

4.13.20

33.0

57.33

3:57.46

100

15.5

4:31.0

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

0.20.9 15.1
Put 10 lb lead. Lure over side at 3:57 -
for 15 minutes? Caught nothing

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	42.5	63903	-0.2	42.3
10 50	43.2	63902	-0.0	43.2
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

(2498)
 50 Small ...
 1 Small ...
 3 very small Anemones; 1 Worm; 1 Small
 Crustacean; 1 ... Shrimp?

J.H.H.

60° 27' N
169° 04' W

No. *3517* Date *Aug. 2, 1893*
Machine. Reel.

Turns *23* Cor. + *1* Depth *24 fms.*

Shot or lead *25-lbs*

Bottom *fine gy. s.*

Bottom temperature *40.5*

No. of thermometer *63400* Cor. *-0.2*

Corrected temperature *40.3*

Air *41* Surface *41* Drift *none*

Trawl or dredge *Lucas beam trawl*

SOUNDING WIRE.

DOWN. UP.

8-01-20 12-15
308-140

TURNS.

DREDGE ROPE.

DOWN. UP.

8-31-20 51-30
34-10 8-48-45

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

Log 42.5

red line over 8.26.30

over surface 8.47-7.25

60° 25' N
169° 51' W

No. 3347 Date Aug 3, 1893
Tanner Machine. Reel. 1

Turns 26 Cor. + 1 Depth 27 fms

Shot or lead 25 lbs

Bottom fine S. gn M

Bottom temperature 35.5

No. of thermometer 03903 Cor. - 0.2

Corrected temperature 35.3

Air 41 Surface 41 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-41-35	40-01	0		
45-	40-02	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

65.7
66.7

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	41.3	63902	-0.0	41.3
10	41.3	63903	-0.2	41.1
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3348

Date Aug 31 '93

Tanner

Machine.

Reel.

Turns 34 Cor. + 1

Depth 35 fms

Shot or lead 25 lb

Bottom bk M

Bottom temperature 32

No. of thermometer 63902

Cor. -

Corrected temperature 32.0

Air 42

Surface 42

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-9-50

10-40

0

10-02

3-10-5

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	42	63902	0.0	42.0
10 50	42	63903	-0.2	41.8
20 100	31	63904	0.0	31.0
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

60° 22' 51"
171° 42' W

No. 3518 D.

Date Aug. 1

Machine.

Reel.

Turns 35 Cor. + 1

Depth 36 fms.

Shot or lead 25.

Bottom gn. M.

Bottom temperature

No. of thermometer 69

Cor. +0.1

Corrected temperature 33.9

5.55

Air 41 Surface 42

Drift 1'

Trawl or dredge Lar.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 351856 — Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift

Trawl or dredge *Jaume 10/12/1881*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
Found	3600	
depth 40	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

In Upper, or Open, Bay;
 Sagitta,

In lower (Closed) Bay - Many
 small Sagitta, many
 small Sagitta

60° 06' N
171° 25' W

No. 3519

Date Aug 3,

Machine.

Reel.

Turns 36 Cor. + 1

Depth 37 fms

Shot or lead 25 lbs.

Bottom blk M. fm S

Bottom temperature 31.3

No. of thermometer 63903

Cor. - 0.2

Corrected temperature 31.1

Air 43

Surface 42

Drift 1 mi. ESE
- mag)

Trawl or dredge large beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10-60

04

0

10-25

43-10

10-35

10-35

100

10-40

40

110

10-45

39-45

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10:35

at 10:35

10 min
fine sand, much
mud.

*Contd.*No. 3519 *22* Date

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface

Drift *4/10 mi S E 1/2*Trawl or dredge *indicate*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>10-5</i>	
		100	<i>51-25</i>	<i>1-25</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
Towing at a depth	3500	
of 25 fms.	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Upper net. Lower net. REMARKS: Numerous small Crustaceans and small Crustaceans.

59° 41' N
171° 08' W

No. 3349 Date Aug 1902
Tanner Machine. Reel. 1

Turns 37 Cor. + 1 Depth 38 fms.

Shot or lead 25 lb.

Bottom ~~gy. dk M.~~ dk M.

Bottom temperature 32.

No. of thermometer 63903 Cor. - 0.2

Corrected temperature 31.8

Air 43 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1 14.52

15.55

0

15.00

1 15.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

P. 59.2

Put 10 fms. down for 15 minutes.
Caught: - , nothing.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43	607	0.0	43.6
10 50	42.1	607	0.0	42.5
20 100	29.7	1200	-0.1	29.8
30 200	30.	607	-0.2	29.8
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57° 28' N 170° 57' W
 No. 252001 Date August 2 - 1893
 Tanner Machine. — Reel.

Turns 37 Cor. + 1 Depth 38 fms.

Shot or lead 25.

Bottom Gm. M. fine. S.

Bottom temperature 32.1

No. of thermometer 62364 Cor. + 0.1

Corrected temperature 32.2

Air 43 Surface 43 Drift 7/10

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-10-30	12-10	0	4-25-30	67-30
10-50	4-11-00	10	32-00	4-44-00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	42.8	63903	-0.2	42.6
25				
10	39.0	62364	+0.1	39.1
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5 1/2 fathoms 4 Starfish 1 sp. 1 worm
 1 rock crab 1 rock shell 3 sp. 1 sea slug
 Eucyprid 1 sp. 1 Diplodus 1 Polychaete
 2 Polychaete
 1 large worm 1 small worm 1 small worm

7/1/09 09° 09' N 170° 25' W

No. 3521 Date Aug 3, 1909

Tanner Machine. — Reel

Turns 39 Cor. + 1 Depth 40 fms

Shot or lead 35 lbs

Bottom gy. M. : gy. S. : gy. S.

Bottom temperature 32.0

No. of thermometer 63403 Cor. - 0.2

Corrected temperature 31.9

Air 73 Surface 73 Drift 1/2 mi

Trawl or dredge Large beam E.S.E. (1700)

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

35-40
76

35-40
7-36-10

0
100
110
200

300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

7-32 30 11.48
56-55 08.26
57- 8.08.02

Surface not over 7.55-30. In at 8.07.10.
Crust 150 fms. from 300' end.
Depth 1/2 mile E.S.E. (1700)

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	42.0	6392	0.0	43.0
10 50	41.0	6393	0.2	42.8
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1. Lg. Bottom. 1/2 bush *Opuntia* sp.
 shells. 1 sp. 1/2 Lg. worm, etc. etc.
 1 poor crab. 1 *Acrida*. 3 stars, 5 sp.

107. 1011 58° 52' N 170° 55' W

No. 3550 Date Aug 11

Tanner Machine. Reel.

Turns 39 Cor. + 1 Depth 40 fms

Shot or lead 25 lb

Bottom bk M

Bottom temperature 31

No. of thermometer 63003 Cor. -0.2

Corrected temperature 30.8

Air 45 Surface 44 Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.23 1.56

0.56 11.12

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	3.5
	3100	3.0
	3200	2.5
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43.2	62.02	0.0	43.2
10 50	43.0	15.20	-0.2	42.8
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 2251 Hgt. Date Aug 4th 1893
 Sanner Machine. — Reel.

Turns 41 Cor. + 1 Depth 42 fms.
 Shot or lead 25.

Bottom —

Bottom temperature —

No. of thermometer 63903 Cor. —

Corrected temperature

Air 46 Surface 43 Drift —

Trawl or dredge —

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2-38-45
 39-10

1

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Cal. log - 43.4

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5				
10				
20				
30				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lost thermometer 63905 -
and 102 fms. wire - 100 fms.
lead, and 100 fms. string -
lost -

58° 13' N 175° 18' W

No. *1002* Date *Aug 1 1881*
1st Machine. Reel.

Turns *27* Cor. + *1* Depth *28*

Shot or lead *25 lbs.*

Bottom *gn M. fine S.*

Bottom temperature *35.1*

No. of thermometer *63902* Cor. *-*

Corrected temperature *25.4*

Air *46* Surface *44* Drift *110 E 1/2 S*

Trawl or dredge *7 ft*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6</i>	<i>15</i>	0		
<i>11</i>	<i>35</i>	100		
		200		
		300		
<i>20</i>		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	43.1	62364	0.0	43.1
10-50	41.0	63919	+0.1	41.1
20-100	40.0	69480	+0.1	40.1
30-200	37.0	63152	0.0	37.0
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3522 Dr. Date Aug 4/93.
 Tanner Machine. Reel.

Turns 40 Cor. + 1 Depth 41 fms.

Shot or lead 25 lb.

Bottom gy. s. : vis. g. S.

Bottom temperature 35.7

No. of thermometer 63902

Cor. -

Corrected temperature 35.7

Total drift

Air 46

Surface 44

Drift 1' S.S.E.

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9.24.30

25.32

0

9.42.21

11.2.23

9.24.57

9.24.57

100

4.32

10.2.21

110

4.55

9.59.17

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	44.	63902	—	44.0
10 50	44.1	69480	-0.1	44.0
100				
200				
300				
400				
500				
600	Surface net - few pin Crustacea			
700	and Echinura			
800	Tanner net upper bag few small			
900	Crustacea, Sagitta Lower bag, small			
1000	evening fish few pin Crustacea			

REMARKS:

Shrimps 2 sp; 1 large calappa & other large
1 Calappa & 1 large & 2 sp. Crustaceans
5 small Crustaceans 1/2 inch thick & sp;
1/2 inch, 1/2 inch, 3 sp 1/2 inch Hermit Crustaceans
1/2 inch & 1/2 inch small Crustaceans 1/2 inch
Sand Dollars; 1/2 inch Moss Crabs.

No. *3534* Date *Oct. 11*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air *46* Surface *44* Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		(35)	10.13.40	10.29.08
		100	15.28	10.27.50
		200		10.25.35 (30)
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*Lowering at a depth of 30 fms.**Shot messenger down at 10.27.20
brought at 10.27.29**Drift 1 mil S*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
See preceding	3700	
page.	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

59° 59' N: 170° 02' W

No. 3523

Date

Aug 4th 1893

Tanner Machine. — Reel.

Turns 36

Cor. +

1

Depth

Shot or lead 25.

Bottom gn. M. fine S

Bottom temperature

No. of thermometer

Cor. -

Corrected temperature

38.0

Air

47

Surface

45

Drift

7/10 S.S.E.

Trawl or dredge

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1-15-10

1-18-30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1-42-10

47-00

05-45

2-01-15

Surface Trawl at 1:45 p.m.

at 2:00

Depth Trawl 500 fms. Snail

7 and 10 fms. of bottom
Coral & Wooding

57° 20' N / 69° 56' W

No. 35 Date

Tanner Machine. Reel.

Turns 35 Cor. + 1 Depth 36

Shot or lead 25 lbs.

Bottom gy. S. P.

Bottom temperature 40.2

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 40.3

Air 46 Surface 45 Drift 1.3' S E

Trawl or dredge beam (7m)

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	19-05	0		
03 30	4-00	100		47-00
		110		
		200		47-15
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

57° 21' N 170° 05' W

No. 3000 Date August 1908

Tanner Machine. Reel.

Turns 28 Cor. + 1 Depth 29 fms

Shot or lead 25 lbs

Bottom blk S. bk

Bottom temperature 41.5

No. of thermometer 63919 Cor. + 0.1

Corrected temperature 41.6

Air 46 Surface 46

Drift 7/10 S. E. 1/2 E.

Trawl or dredge 1/2

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-20		0	5-50-00	6-12-20
40-30	5-40-30	100	6-01-08	6-9-50
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 3353 Hy. Date Aug. 5th 1893.
Tanner Machine. — Reel.

Turns 216 Cor. + 1

Depth 30 fms

Shot or lead 25.

Bottom fm. ay. S. Sh.

Bottom temperature 40.2

No. of thermometer 69480 Cor. - 0.1

Corrected temperature 40.3

Air 47 Surface 43 Drift -

Trawl or dredge -

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

4-15-00

11-45

0

15-30

4-15-40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43.2	63919	+0.1	43.3
10 30	43.0	69480	+0.1	42.9
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

107. *1931 N 170° 37' W*

No. *2506* Date *Aug 5 1903*
 Machine. — Reel.

Turns *47* Cor. + *2* Depth *49 fms.*
 Shot or lead *25.*

Bottom *dk. M. fm. S.*

Bottom temperature *38.8*

No. of thermometer *69480* Cor. *+0.1*

Corrected temperature *38.9*

Air *47* Surface *100* Drift *0.10 mi*

Trawl or dredge *Chamberlaine*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>7-24-10</i>		0	<i>7-4-10</i>	
<i>24-25</i>	<i>7-24-40</i>	100	<i>52-30</i>	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

15 fms. down at 7:40

7:40

Caught 7:18

6.4

No. 3527 Date Aug 5, 1895

Tanner Machine. — Reel.

Turns 50 Cor. + 2 Depth 52 fms

Shot or lead 25 lbs.

Bottom gn M

Bottom temperature 38.0

No. of thermometer 63902 Cor. —

Corrected temperature 38.0

Air 48 Surface 48 Drift 8/10 mi. NW x 11

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

10-35-40 37-15 0

36-10 10-36-15 100

120

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11-00 15 23-50

06-50 20-30

07-50 11-19-40

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	45.0	62364	0.0	45.0
10-50	45.0	63902	0.0	45.0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5 m. S. of station, 1 sp. *Limnoria*
 1 sp. *Chironomus*, 1 sp. *Amphipoda*, 1 sp.
Stomatopoda, 1 sp. *Stomatopoda*, 1 sp.
 (3 sp.) 1 sp. *Stomatopoda*, 1 sp.
 1 sp. *Stomatopoda*, 1 sp. *Stomatopoda*, 1 sp.
Stomatopoda, 1 sp. *Stomatopoda*, 1 sp.
Stomatopoda, 1 sp. *Stomatopoda*, 1 sp.

SR 58° 04' N, 171° 41' W

No. 3354 Hpt. Date Aug 27/93.

Tanner. Machine. Reel.

Turns 53 Cor. + 2 Depth 55 fms

Shot or lead 25 lb

Bottom gn M.

Bottom temperature 37.4

No. of thermometer 63902 Cor. -

Corrected temperature 37.4

Air 48 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.52.00	5.21.11	0		
52.58	1.51.07	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	44.8	53	0.0	44.8
50	44.5	54	-0.1	44.4
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3528 Date May 5

Machine. — Reel. — Turns 53 Cor. + 2 Depth 55 fms.

Shot or lead 25 Bottom dk. gn. M. fm. S.

Bottom temperature 35.9

No. of thermometer 63902 Cor. —

Corrected temperature 35.9

Air 47 Surface 45 Drift 7/10 H.W. + it.

Trawl or dredge Large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5-04-10	5-04-15	0	5-37.14	5.56.13
		100	5.37.14	5.53.45
		140	5.38.49	5.52.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4 Cods

Brill 0.7 N.W. x W. (mean)

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	45.5	61757	+0.1	45.6
10 50.	44.3	62101	+0.2	45.2
20 100.	44.5	62111	0.0	44.5
30 200.	43.0	62124	0.0	43.0
40 300.	37.6	62130	-0.1	37.5
50 400.	35.2	62133	0.0	35.2
500				
600				
700				
800				
900	1 <i>Hydromedusa</i> ; 4 <i>Physalia</i>			
1000	1 <i>Physalia</i> ; 2 <i>Stomatopoda</i> ; 1 <i>Opheurodonta</i>			

REMARKS:

1 *Physalia*; 1 *Stomatopoda*; 1 *Opheurodonta*
 1 *Physalia*; 1 *Stomatopoda*; 1 *Opheurodonta*
 3 *Stomatopoda*; 3 *Opheurodonta*
 1 *Physalia*; 1 *Stomatopoda*; 1 *Opheurodonta*
 1 *Physalia*; 1 *Stomatopoda*; 1 *Opheurodonta*
 1 *Physalia*; 1 *Stomatopoda*; 1 *Opheurodonta*

51. ST. JOHN 172 24
 No. 3520 Date Aug 5, 1893
 Machine. Reel.

Turns 54 Cor. + 2 Depth 56 fms

Shot or lead 25 lbs.

Bottom gn M

Bottom temperature 36.0

No. of thermometer 62364 Cor. +0.1

Corrected temperature 36.1

Air 46 Surface - C Drift 7/10 mi N 1/4 W

Trawl or dredge (mag.)

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-18-25	20-05	0	1-37-40	6-14-15
14-	19-05	100	1-38-53	5-21-16
		140	45-03	5-17-15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

45.7

5. 02 N 172° 40' E

No. 3355 Date Aug 3, 1883.

Machine. Reel.

Turns 55 Cor. + 2 Depth 57 fms

Shot or lead 25 lb

Bottom gn M

Bottom temperature 35.2

No. of thermometer 62864 Cor. + 0.1

Corrected temperature 35.3

Air 46 Surface 44 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-26 30	29-50	0		
29--	11-21-15	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2-571 P. 507. 13.8

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-35	45.0	615.2	+0.2	45.2
10-50	44.2	615.2	0.0	44.2
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. $59^{\circ} 09' N$ Long. $173^{\circ} 07' W$

No. 3358 Hyd Date Aug 6/93

Cramer Machine. Reel.

Turns 55 Cor. + 2

Depth 57 fms

Shot or lead 25 lb

Bottom gn M.

Bottom temperature 34.

No. of thermometer 61596.

Cor. + 0.2

Corrected temperature 34.2

Air 45.

Surface 43.

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

2.3.55 2.5.18

2.4.31 2.14.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43.3	68848	0.0	43.3
10 50	43.2	63919	0.0	43.2
20 100	39.	61757	0.0	39.0
30 200	34.8	62440	+0.1	34.9
40 300	33.1	62500	+0.1	33.2
50 400	33.5	61505	+0.2	33.7
500				
600				
700				
800				
900				
1000				

REMARKS:

370 24 173 31 17

No. 3357 Hy^d - Date Aug. 6th 1893-
 Tanner Machine. Reel.

Turns 55 Cor. + 2 Depth 57 fms.

Shot or lead 25.

Bottom gn. M.

Bottom temperature 35.5

No. of thermometer 61596 Cor. + 0.2

Corrected temperature 35.7

Air 45 Surface 43 - Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-42-00	45-00	0		
42-45	4-43-	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

201-47

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 05	44.6	61757	+0.1	44.7
10 50	44.5	61516	+0.2	44.8
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3500

Date Aug. 1st 1892

Tanner

Machine. — Reel.

Turns 51 Cor. +

Depth 59

~~Shot or lead~~ 25.

Bottom dk. gn. M. fr. S.

Bottom temperature 34.9

No. of thermometer 61757

Cor. —

Corrected temperature 34.9

Air 45

Surface 44

Drift $\frac{1}{2}$ mi. N. by E.

Trawl or dredge

Large Beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

16-00

12-25

00-10-10

6 fms. down

Nothing

Towed surface net from 7:55 to 8:10
Nothing - numerous small *Tricostaceans*

No. 3530 *Dr.*

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

Surface

Drift $\frac{1}{2}$ mi.

Trawl or dredge

Handwritten notes

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>5-25-15</i>	<i>33-30</i>
		<i>5-100-</i>	<i>2-30</i>	<i>8-31-57</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

*Towed at a depth
of 44*

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

*Lower bag closed but empty.
Upper 60 numerous fine crustaceans*

57° 35' N 174° 17' W

No. 2531 Date Aug 6 1893.

Tanner Machine. — Reel.

Turns 57 Cor. + 2 Depth 59 fms.

Shot or lead 25 lbs.

Bottom M.

Bottom temperature 35.0

No. of thermometer 62364 Cor. + 0.1

Corrected temperature 35.1

Air 47 Surface 46 Drift, 5 mi E

Trawl or dredge Tanner Intermediate

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11-00-35 02-0

11-00-11-01-10

0

55

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11-00-15 13-10

12-05-11-14-0

get close back 10'

9 hrs. 12 min. 11.02 to 11.27
12 min. 11.02 to 11.27

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Towed at depth of
50 fms

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 -45	43.5	63902	-0.1	43.5
10 -50	43.2	61596	+0.2	43.4
20 -100	33.5	63419	+0.1	33.6
30 -200	32.0	61507	0.0	32.0
40 -300	33.5	64285	+0.1	33.6
50 -400	33.5	62364	+0.1	33.6
-500				
600				
700				
800				
900				
1000				

REMARKS:

Thousands of *Aggitta*, *Salpae*
& medusae - net
closed. Upper net: few small
Crustacea.

No. 3531 *Dr* Date*Cont'd*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface

Drift *1 mi 11 1/2 S 1/2 W*Trawl or dredge *Large Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

*11-47-10**10-50*

100

*11-50**07-30*

150

*12-00**12-05-20*

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

1:52-40 12:03
Caught: few small crabs!

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2 lg. *Stomatopoda*, 1 *Alpheidae*, 1 *Stomatopoda*
 Tusk, 1/2 br. *Opheurion*, 1 *Stomatopoda*
 1 *Stomatopoda* 3/4 in. 1 *Stomatopoda* 1/2 in.
 20. m. 1 *Stomatopoda* 3 *Stomatopoda*
 1 *Stomatopoda* 2 1/2 in. 1 *Stomatopoda* 2 1/2 in.
 2 *Stomatopoda* 1 1/2 in. 3 *Stomatopoda* 1 1/2 in.

507. *1103* 57° 33' 41" 175° 00' 1

No. *3358* *Hy* - Date *Aug 1/93*

Tanner Machine. Reel.

Turns *67* Cor. + *3* Depth *70 fms*

Shot or lead *25 lb.*

Bottom *gn M.*

Bottom temperature *36.7*

No. of thermometer *51789* Cor. *0.0*

Corrected temperature *36.7*

Air *51* Surface *46* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

W. H. 7000
Back over to land string for 17 minutes.
Caught - 7.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	44.8	15	—	44.8
10 50	44.8	15	+0.1	44.4
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

No.

Date

Machine.

Reel.

Turns 74

Cor. 7

Depth

Shot or lead

25 lbs.

Bottom

dk gn M. fine S.

Bottom temperature

34.7

No. of thermometer

69480

Cor.

10.1

Corrected temperature

34.8

Air

48

Surface

44

Drift

1.2

Trawl or dredge

Dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

13.10

10.8

8.15

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
6. 15	3700	12
74	3800	
17 1	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	44.5	61757	+0.1	44.6
10-50	42.0	61757	-0.1	42.1
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 Bull. 2. 1/2 gals. fish. 1/2 lb. of shrimp.
 2 g. 1/2 lb. of shrimp. 2 g. 1/2 lb. of shrimp.
 2 crabs. 2 g. 1/2 lb. of shrimp. 1/2 lb. of shrimp.
 1 lb. of shrimp. 1 lb. of shrimp. 1 lb. of shrimp.

507.

No.

337

Date

Machine.

Reel.

Turns

Cor. +

Depth

Shot or lead

26 lb

Bottom

gn. M.

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air

44

Surface

44

Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12.2.8

4.02

0

2.56

12.3.13

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4.12
1.0
3.12

1.08
1.12
0

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	45	61757	-10.1	45.1
10 50	45	63848	0.0	45.0
20 100	45	62364	0.0	45.0
30 200	44	61595	+0.2	44.2
40 300	34.8	63910	+0.1	34.9
50 400	37	69410	+0.1	37.1
60 500	30.9	61552	-0.1	30.7
700				
800				
900				
1000				

REMARKS:

No. 3360 Hyd - Date August 7th 1893
 Machine. Reel. *String*
 Turns 1124 Cor. + 110 Depth 1400 fms
 Shot or lead 35 lbs.
 Bottom gn. m. mud.
 Bottom temperature 35.5
 No. of thermometer 61757 Cor. —
 Corrected temperature 35.5
 Air 45 Surface 44 Drift
 Trawl or dredge

SOUNDING WIRE.

TURNS.

DREDGE ROPE.

DOWN.

UP.

DOWN.

UP.

41-30-30	20-00	0		
32-40	18-45	100		
41-45	17-45	200		
41-50	16-45	300		
42-00	15-45	400		
44-15	14-45	500		
45-45	13-45	600		
46-35	12-45	700		
48-20	11-50	800		
50-10	10-50	900		
51-40	09-55	1000		
53-10	09-00	1100		
54-45	08-10	1200		
56-25	07-15	1300		
58-15	06-15	1400		
5-00-00	05-15	1500		
01-45	04-05	1600		
02-10	5-03-45	1634 1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Bottom - 77.6

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
1520	3700	1650	90
140	3800	270	140
1700	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5	35.1	63702	-	35.4
5	35.0	61151	-	35.0
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

58° 01' N 175° 41' W

No. 3361 Date Aug 3, 1890

Sigsbee Machine. 2 Reel.

Turns 1278 Cor. + 89 Depth 1367

Shot or lead 35 lbs.

Bottom gn M. fine S

Bottom temperature 35.1

No. of thermometer 69480 Cor. + 0.1

Corrected temperature 35.2

Air 48 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

7-57 55	27-10	0		
8-01 15	28-10	100		
8-02 10	27-20	200		
8-05 15	28-30	300		
8-10 20	28-40	400		
8-15 25	28-50	500		
8-20 30	29-00	600		
8-25 35	29-10	700		
8-30 40	29-20	800		
8-35 45	29-30	900		
8-40 50	29-40	1000		
8-45 55	29-50	1100		
8-50 00	30-00	1200		
8-55 05	30-10	1300		
9-00 10	30-20	1400		
9-05 15	30-30	1500		
9-10 20	30-40	1600		
9-15 25	30-50	1700		
9-20 30	31-00	1800		
9-25 35	31-10	1900		
9-30 40	31-20	2000		
9-35 45	31-30	2100		
9-40 50	31-40	2200		
9-45 55	31-50	2300		
9-50 00	32-00	2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

15.5 11
17.7 94
32.5 87

1278

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-45	46.6	61757	+0.1	46.7
50	46.5	69450	0.0	46.5
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3362 *Hy.* Date *August 7, 1891*
Sigsbee Machine. #2 Reel. *U.S.N.*

Turns *71* Cor. + *6* Depth *77 fms.*

Shot or lead *35.*

Bottom *gn. M.*

Bottom temperature *38.0*

No. of thermometer *61757* Cor. *—*

Corrected temperature *38.0*

Air *49* Surface *47* Drift

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500		
	2600		
	2700		
	2800		
	2900		
	3000		
	3100		
	3200		
	3300		
	3400		
	3500		
	3600		
	3700		
4533	3800	188	71
<u>71</u>	3900	<u>182</u>	<u>6</u>
4604	4000	6	77

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 ₂₅	46.	68848	0.0	46.0
10 ₅₀	45 1/2	62364	0.0	45.5
20 ₁₀₀	40.2	61758	-0.1	40.1
30 ₁₅₀	38.5	61358	+0.2	38.0
40 ₂₀₀	38.	63412	0.0	38.0
50 ₂₅₀	38.	69480	+0.1	38.1
60 ₃₀₀	38.	63919	+0.1	38.1
70 ₃₅₀	38.	61757	0.0	38.0
800				
900				
1000				

REMARKS:

27, 34 - 173 - 33,

No. 3535 Date August 7, 1901.
Tanner Machine. Reel.

Turns 68 Cor. + 2 Depth 70 fms

Shot or lead 25.

Bottom gy. S. M. Sp.

Bottom temperature 39.2

No. of thermometer 61757 Cor. -

Corrected temperature 39.2

Air 117 Surface 46 Drift 1/2 N 1/2 E

Trawl or dredge

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7-42-15	24.00	0	7-51-00	18-30
45.00	7-43-15	100	55-00	15-45
		150		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

0.5. 10. 3. 11

507. 27-25, 192, 20

No. 3363 Date Aug. 7, 1923
 Tanner Machine. — Reel.

Turns 66 Cor. + 3 Depth 69 fms.

Shot or lead 25 lbs.

Bottom dk gn M. fine S

Bottom temperature 37.9

No. of thermometer 61758 Cor. - 0.1

Corrected temperature 37.8

Air 47 Surface 45 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-11-00	1-00	0		
11-50	1-11-50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
60	3900	
157.7	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5-25	46.2	61757	-0.1	46.1
11-50	45.3	61758	0.0	45.3
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

57-08-171-38

No. 3364 Hyd Date Aug 8/93.

Machine. Reel.

Turns 57 Cor. + 3

Depth 60 fms

Shot or lead 25 lb

Bottom m M

Bottom temperature 37.8

No. of thermometer 63902

Cor. —

Corrected temperature 37.8

Air 47

Surface 45

Drift

Trawl or dredge

SOUNDING WIRE.

Down. Up.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.13.00

14.14

0

.13.57

4.14.03

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

D. Log: 40.6

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	54.1
	3400	54.1
	3500	54.1
	3600	54.1
	3700	54.1
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	44.4	60905	-	44.4
10 50	45	60919	-	45.0
20 100	45	60952	+0.1	45.1
30 200	44.7	60972	-0.1	44.6
40 300	38	60985	+0.1	38.1
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1st observation at 1000 ft. depth
 straightened while towing anchor

No.

554

Date

August 8, 92

Tanner

Machine.

Reel

Turns 56 Cor. + 3

Depth 59 fms

Shot or lead 25 lb

Bottom gn M.

Bottom temperature 38.1

No. of thermometer 63902

Cor. —

Corrected temperature 38.1

Air 47

Surface 45

Drift 19. Miles

Trawl or dredge hand beam

N E & E (mag)

SOUNDING WIRE.

Down. Up.

TURNS.

DREDGE ROPE.

Down. Up.

5.55 58.30

0

6.12.42 40.00

5.57 7.00

100
(155)
~~200~~

17.15 37.17

20.30 6.35.10

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	45.5
	3500	45.5
	3600	45.9
	3700	45.9
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	45.5	65402	—	45.3
50	45.	10000	-10.1	46.1
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Flounder. 1/2 peck. Murres. few
 Stomachs. few sand dollars. few
 hermit crabs. few ophiurians.

57.02, 170.46

No.

353556

Date

August 10 1881

Tanner Machine. — Reel. 0

Turns 50 Cor. + 2 Depth 52 fms -

Shot or lead 25.

Bottom dk. gn. M. fine. S.

Bottom temperature 39.0

No. of thermometer 61757 Cor. —

Corrected temperature 39.0

Air 48. Surface 45 Drift 0.8

Trawl or dredge Large beam M. H. E. (may)

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

58-00	0	9.12.45	9.34.46
8-00-00	100	9.15.32	9.29.37
	200	9.16.25	9.28.43
	300		
	400		
	500		
	600		
	700		
	800		
	900		
	1000		
	1100		
	1200		
	1300		
	1400		
	1500		
	1600		
	1700		
	1800		
	1900		
	2000		
	2100		
	2200		
	2300		
	2400		

Oct. log- 3.9

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
5 25	43.5	61787	+0.1	43.4
10 50	43.5	63902	—	43.5
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

3.5 m. (11) ...
 4.5 m. (12) ...
 5.5 m. (13) ...
 6.5 m. (14) ...
 7.5 m. (15) ...
 8.5 m. (16) ...
 9.5 m. (17) ...
 10.5 m. (18) ...

57, 05, 170, 35

No. 3536 Date Dec 8th 1883
 Machine. — Reel.

Turns 29 Cor. + 1 Depth 140.

Shot or lead 25

Bottom fine, S. & K. M.

Bottom temperature 42.3

No. of thermometer 61757 Cor. + 0.1

Corrected temperature 42.4

Air 48 Surface 45 Drift .5

Trawl or dredge K&L beam trawl

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
10-18	10-20	0	10-25 15	10-23 00
		100	10-27	10-25 15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10-30
 2 fathoms net at 10-30
 10-30

56, 49- 169, 42

No. 3365 Hyd Date

Tanner Machine. Reel. 6

Turns 36 Cor. + 1 Depth 37

Shot or lead 25 lbs.

Bottom fine S. Shs.

Bottom temperature 41.0

No. of thermometer 61758 Cor. - 0.1

Corrected temperature 40.9

Air 46 Surface 44 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-20-30		0		
21-55	4-21-00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P. 17 11. 6

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TIME.	NO. OF THER.	COR.	COR. TEMP.
5-25-	1440	61757	+0.1	44.1
11-50-	1440	63902	0.0	41.0
20-100-	1440	61584	0.0	40.0
30-200-	1440	61758	-0.1	39.9
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

704

56, 45, 169.06.

No. 3537 Date Aug 9, 1873

Tanner Machine. — Reel.

Turns 47 Cor. + 2 Depth 49 fms.

Shot or lead 25 lbs.

Bottom fine sand

Bottom temperature 37.8

No. of thermometer 61070 Cor. + 0.2

Corrected temperature 38.0

Air 45 Surface 43 Drift 1 mi. E 1/2 N

Trawl or dredge Large Beam (Fanning)

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
6-55 00	56-30	0	7-14-00	37-20
35 50	6-55 30	100	19	34-15
		130	20-30	7-33-00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

6-55 over at 6-55 to 7-10.
 7-20 to 7-30
 with many crustacea
 and shells.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	11.5	2707	+0.1	45.6
50	11.5	2707	+0.2	45.7
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1 Flounder, 4 small Sculpins
 1 Alligator Pick, 1 Hermit Crab
 2 worms, few Shrimps (2 sp.)

No. 3537 *Dr* Date *Cont'd*

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift *3/10 mi*

Trawl or dredge *Tanner Intermediate* *SE & S*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	<i>Am</i> 7-42-40	58-40
		40	44-30	7-57-00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Towed at a depth of 35 fms.

Remarks

Lower net closed.

Few seen Crustacea.

Upper net. Many seen
Crustacea, Salpae, & Sargitta.

divan

$$\frac{3}{12} \times 20$$

$$12 / \frac{120}{30} (1.2)$$

$$\begin{array}{r}
 65.7 \\
 26 \\
 \hline
 91.7
 \end{array}$$

$$\begin{array}{r}
 16.8 \\
 41 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 78.0 \\
 57.2 \\
 \hline
 20.8
 \end{array}$$